

RHNA Methodology Technical Clarification and Estimate Tool Demo

Technical Working Group Meeting
October 17, 2019

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RHNA Methodology Process

Aug-Sept
2019

- **Proposed RHNA Methodology**

- Released for public comment August 1
- Four public hearings and one public information session
- Multiple options and components for review and comment

Sept-Nov
2019

- **Draft RHNA Methodology**

- One methodology based on state housing law and regional goals while considering public comments
- October 7: RHNA Subcommittee
- October 21: CEHD Committee
- November 7: Regional Council

Nov 2019-
Jan 2020

- **HCD Comment Period**

- 60 day review of draft RHNA methodology

Jan-Feb
2020

- **Final RHNA Methodology**

- Staff reviews HCD comments
- RHNA Subcommittee/CEHD Committee/Regional Council actions

1. Discussions and comments received so far have focused primarily on methodological & policy questions, e.g.,
 - comparing different methodological options
 - merits of the various factors used in the methodology
2. Now with the staff-recommended methodology, there is a need to also focus on the technical and data related details

Objectives

1. Provide a demo of the Estimate Tool including the RHNA data
2. Provide additional background and clarification of the two factors: job accessibility & transit accessibility measures
3. Provide additional technical documentation as part of the RHNA Methodology Data Appendix posted at www.scag.ca.gov/rhna
4. Address technical and data questions
Please e-mail to housing@scag.ca.gov

Objectives of RHNA

- 1) To increase the housing supply and mix of housing types, tenure and affordability within each region in an equitable manner
- 2) Promoting infill development and socioeconomic equity, the protection of environmental and agricultural resources, and the encouragement of efficient development patterns



Objectives of RHNA

- 3) Promoting an improved intraregional relationship between jobs and housing
- 4) Allocating a lower proportion of housing need in income categories in jurisdictions that have a disproportionately high share in comparison to the county distribution
- 5) Affirmatively furthering fair housing (AFFH)



TAZ-Level Job Accessibility Measure – Definition

- ❖ “the percentage of the region’s jobs that can be accessed within 30 mins by SOV from each TAZ”
 - SOV (single-occupancy vehicle): a dominant commute mode
 - the statewide mean travel time to work: 28.8 mins
 - in use since the 1998 RTP for SCAG’s planning purposes (e.g., EJ)

TAZ-Level Job Accessibility Measure – Input Data & Calculation

❖ SCAG's Regional Travel Model (2020 Draft RTP 2045 Plan):

- total employments by TAZ
- TAZ-to-TAZ travel times
 - ✓ by SOV (single occupancy vehicle)
 - ✓ during AM peak hours (6AM~9AM)
- tier 2 TAZs (11,267 zones)

Modeling Area	2010 Census Tract	2010 Census Block Group	RSA*	CSA**	Tier 1 TAZ (Internal)	Tier 2 TAZ (Internal)
Imperial County	31	96	1	15	110	239
Los Angeles County	2,346	6,425	21	155	2,243	5,697
Orange County	583	1,823	10	43	666	1,741
Riverside County	453	1,030	11	38	478	1,532
San Bernardino County	369	1,092	7	34	402	1,395
Ventura County	174	430	6	17	210	663
Total	3,956	10,896	56	302	4,109	11,267

*RSA – Regional Statistical Area
**CSA - Community Statistical Area

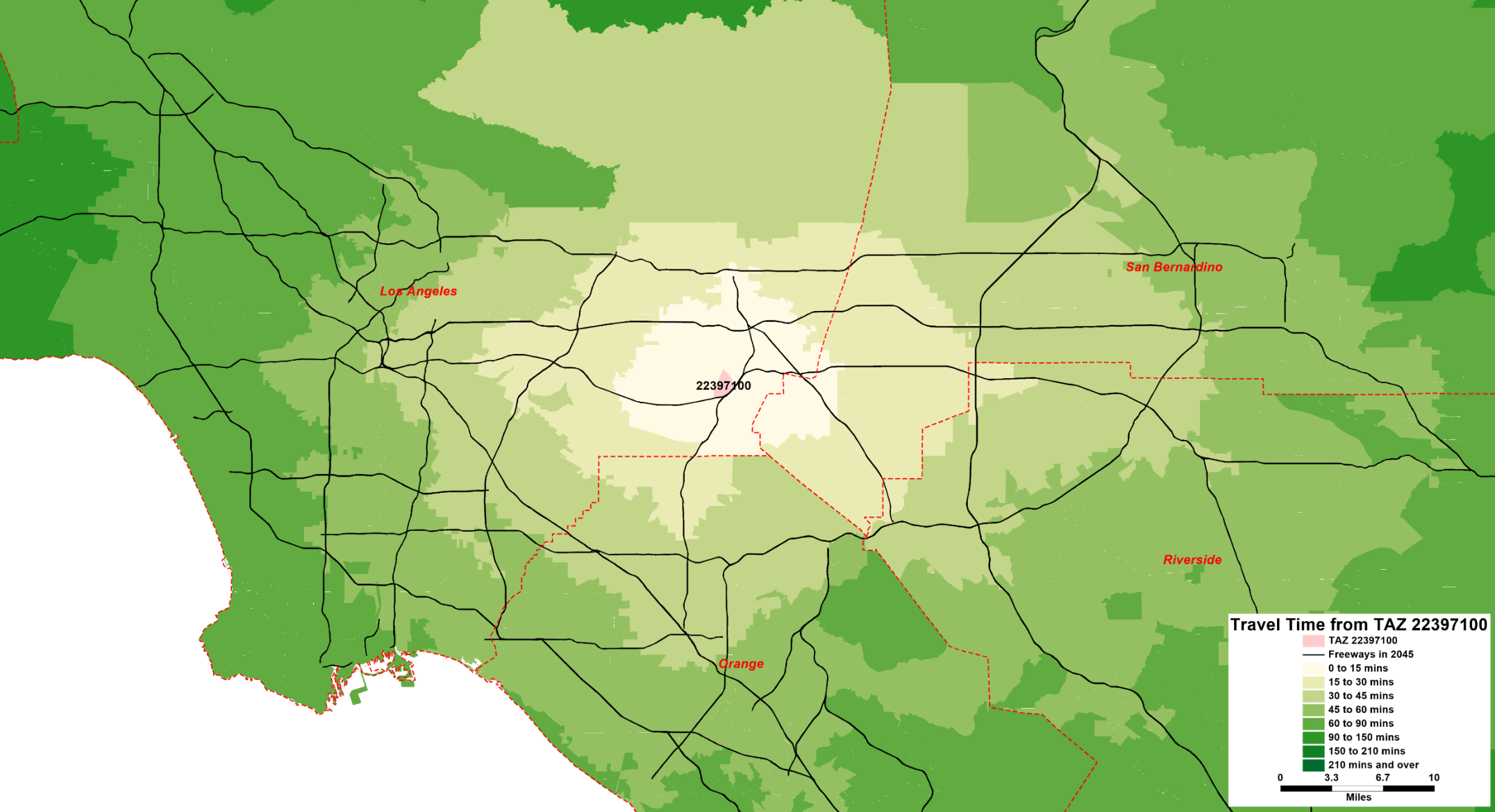
❖ For each origin TAZ:

1. identify destination TAZs where travel time \leq 30 mins
2. add all jobs within the accessible destination TAZs
3. divide by the regional total jobs

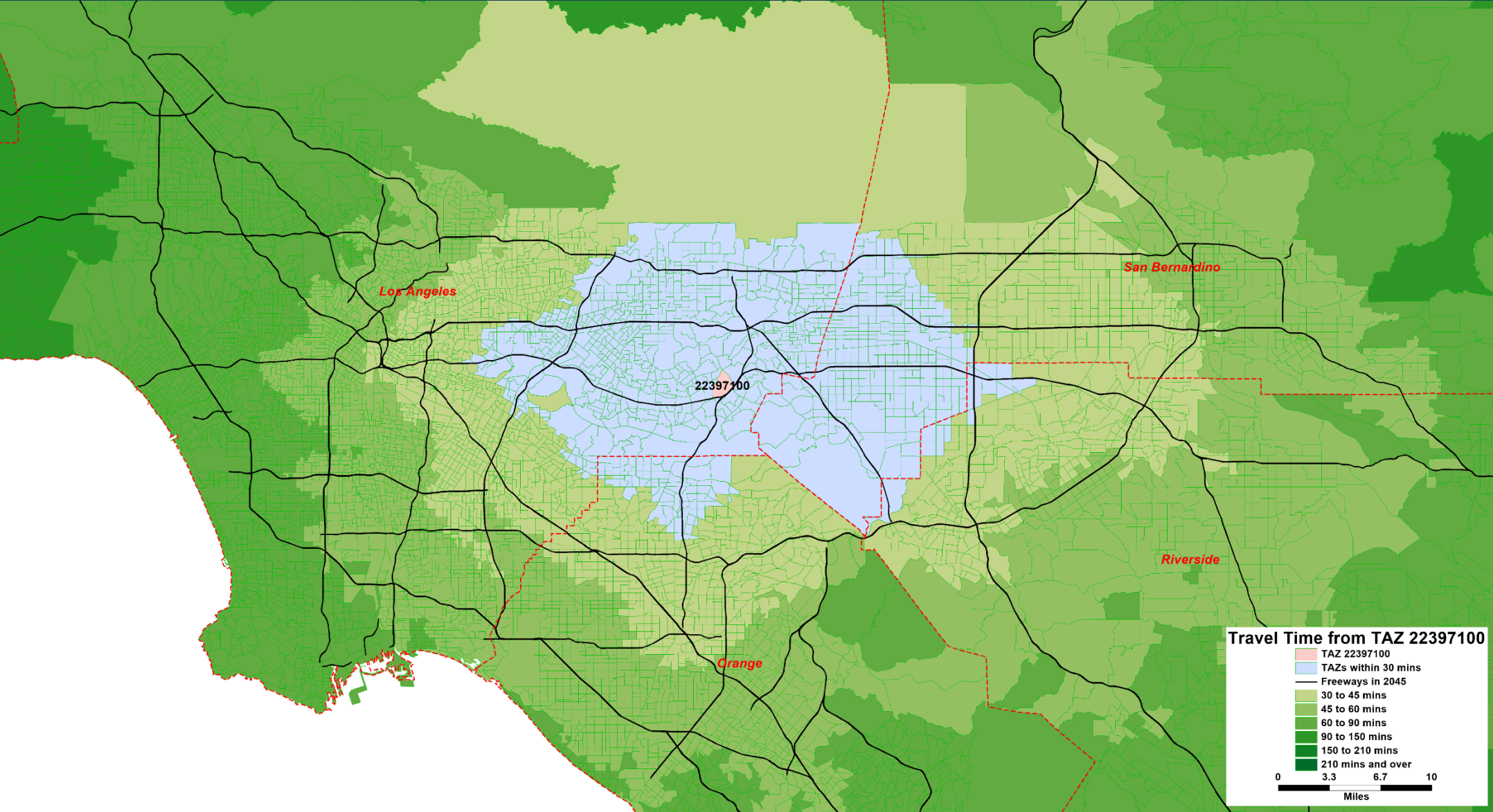
Highway Skims (11,267 by 11,267)

	32516200	32517100	32517200	32518100	32518200	32518300	32519100	32519200	32520100	32520200	32520300	32521100	32521200	32522100	32522200	32522300	32522400	32523100	325232
22390200	45.59	40.85	40.41	46.59	46.31	47.26	37.78	39.36	42.09	41.28	40.38	43.84	44.97	42.34	42.60	42.40	42.27	39.87	39.
22391100	38.20	31.09	30.66	39.20	38.92	39.86	28.03	29.61	32.34	31.52	32.98	36.45	37.58	32.59	34.26	35.01	34.87	30.12	30.
22392100	36.32	29.62	29.18	37.31	37.04	37.98	26.55	28.13	30.86	30.05	31.10	34.57	35.70	31.11	33.26	33.12	32.99	28.64	28.
22392200	35.73	29.47	29.03	36.73	36.46	37.40	26.40	27.98	30.71	29.90	30.52	33.99	35.11	30.96	32.67	32.54	32.41	28.49	28.
22392300	35.93	27.52	27.08	36.93	36.66	37.60	24.45	26.03	28.76	27.95	29.30	34.19	35.31	29.01	30.68	32.74	32.61	26.54	26.
22393100	29.56	23.72	23.94	30.56	30.28	31.23	20.66	22.24	25.85	24.62	24.25	27.81	28.94	25.79	26.47	26.37	26.23	22.75	23.
22393200	28.90	24.20	23.28	29.89	29.62	30.56	20.00	21.57	25.19	23.96	23.58	27.15	28.28	25.35	25.81	25.70	25.57	22.09	22.
22394100	45.07	39.74	39.30	46.07	45.79	46.74	36.67	38.25	41.46	40.23	39.86	43.32	44.45	41.40	42.08	41.88	41.74	38.76	39.
22394200	45.79	40.45	40.02	46.78	46.51	47.45	37.39	38.97	42.18	40.95	40.57	44.04	45.17	42.12	42.80	42.59	42.46	39.48	40.
22395100	44.15	38.44	38.01	45.14	44.87	45.81	35.38	36.96	40.17	38.94	38.56	42.40	43.52	40.11	40.79	40.95	40.82	37.47	38.
22395200	45.23	40.10	39.10	46.22	45.95	46.89	36.47	38.05	41.25	40.02	39.65	43.48	44.61	41.41	41.87	42.03	41.90	38.56	39.
22395300	45.22	39.52	39.08	46.22	45.94	46.89	36.45	38.03	41.25	40.02	39.64	43.47	44.60	41.41	41.86	42.03	41.89	38.55	39.
22396100	48.71	43.38	42.94	49.71	49.43	50.38	40.31	41.89	45.10	43.87	43.50	46.96	48.09	44.97	45.65	45.52	45.39	42.40	43.
22396200	47.80	42.46	42.02	48.79	48.52	49.46	39.40	40.97	44.19	42.96	42.58	46.05	47.18	44.05	44.73	44.60	44.47	41.49	42.
22397100	33.92	27.73	26.73	34.92	34.65	35.59	24.10	25.68	28.41	27.59	28.34	32.18	33.30	30.11	30.57	30.73	30.60	26.19	26.
22397200	36.07	30.36	29.93	37.06	36.79	37.73	27.30	28.88	32.09	30.86	30.48	34.32	35.45	32.25	32.71	32.87	32.74	29.39	30.
22398100	34.40	28.26	27.26	35.39	35.12	36.06	24.63	26.21	28.94	29.46	29.08	32.65	33.78	30.85	31.30	31.20	31.07	26.72	27.
22398200	30.75	26.05	25.13	31.74	31.47	32.41	22.05	23.63	26.77	25.54	25.16	29.00	30.13	26.64	27.32	27.55	27.42	24.15	24.
22398300	34.52	29.82	28.90	35.51	35.24	36.18	25.62	27.20	30.81	29.58	29.20	32.77	33.90	30.97	31.43	31.32	31.19	27.71	28.
22399100	35.33	28.63	28.20	36.33	36.05	37.00	25.57	27.15	29.88	30.39	30.02	33.58	34.71	31.56	32.24	32.14	32.01	27.66	28.
22399200	34.04	29.34	28.42	35.03	34.76	35.70	25.14	26.72	30.33	29.10	28.72	32.29	33.42	30.49	30.95	30.84	30.71	27.23	27.
22400100	40.32	33.18	32.75	41.32	41.04	41.99	30.12	31.70	34.43	33.61	35.11	38.57	39.70	34.68	36.35	37.13	37.00	32.21	32.
22401100	30.35	24.72	24.73	31.35	31.07	32.02	21.66	23.24	26.38	25.15	24.77	28.60	29.73	26.24	26.92	27.16	27.02	23.75	23.
22401200	30.00	25.31	24.39	31.00	30.73	31.67	21.31	22.89	26.29	25.06	24.69	28.26	29.38	26.46	26.91	26.81	26.68	24.80	23.
22401300	35.35	30.66	29.74	36.35	36.08	37.02	26.66	28.24	31.38	30.15	29.77	33.61	34.73	31.25	31.93	32.16	32.03	28.75	28.
22402100	46.59	41.26	40.82	47.59	47.31	48.26	38.19	39.77	42.98	41.75	41.38	44.84	45.97	42.92	43.60	43.40	43.26	40.28	41.
22402200	46.86	41.16	40.72	47.85	47.58	48.52	38.09	39.67	42.88	41.65	41.28	45.11	46.24	43.04	43.50	43.66	43.53	40.18	41.
22403100	27.12	22.42	21.50	28.12	27.84	28.79	19.74	21.91	23.41	22.18	21.80	25.37	26.50	23.57	24.03	23.93	23.79	21.91	20.
22404100	37.94	32.36	32.32	38.94	38.66	39.61	28.73	30.31	34.23	33.00	32.62	36.19	37.32	34.39	34.85	34.75	34.61	30.82	31.
22404200	38.70	32.56	33.09	39.70	39.43	40.37	29.50	31.08	33.81	33.77	33.39	36.96	38.08	34.93	35.61	35.51	35.38	31.59	32.
22404300	37.33	31.19	31.71	38.33	38.05	38.99	28.12	29.70	32.43	32.13	31.75	35.58	36.71	33.29	33.97	34.13	34.00	30.21	30.
22405100	33.84	28.24	27.42	35.84	35.56	36.50	24.25	25.83	28.56	27.74	28.39	32.23	33.36	30.17	30.63	30.79	30.66	26.44	26.

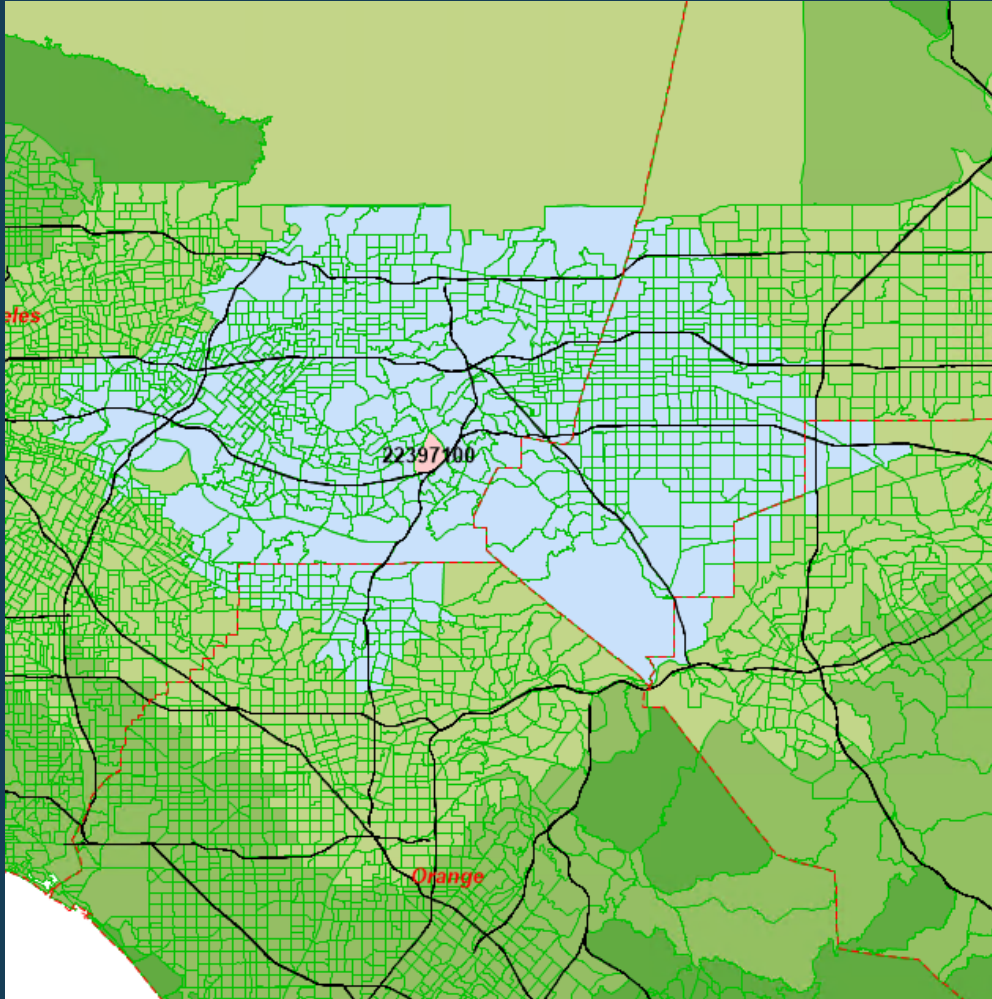
TAZ-Level Travel Times by SOV during AM Peak from TAZ 22397100



991 Destination TAZs within 30 mins by SOV during AM Peak from TAZ 22397100

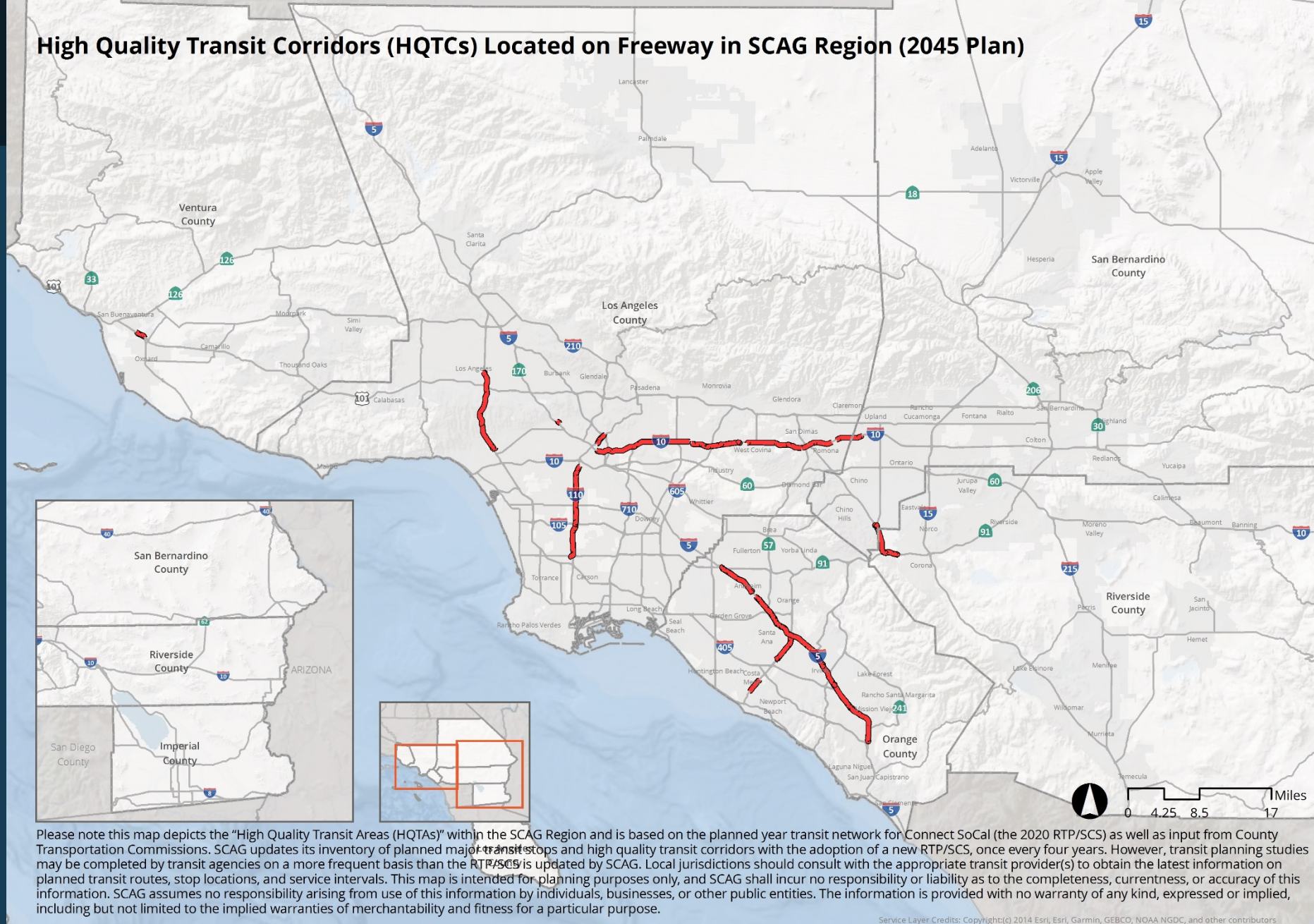


TAZ-Level Job Accessibility Measure for TAZ 22397100



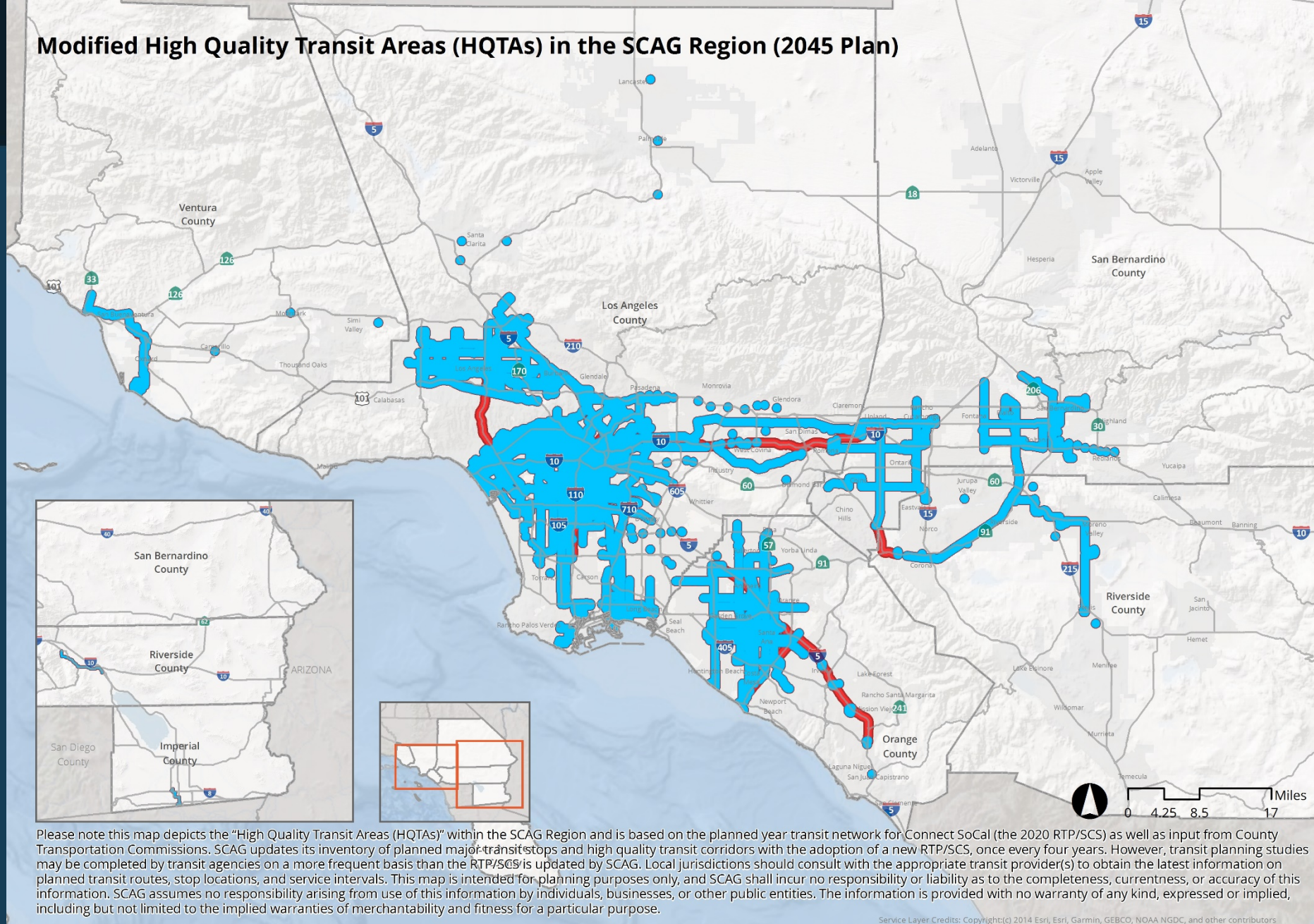
- sum of jobs within the 991 destination TAZs in 2045
= 943,171 jobs
- regional total jobs in 2045
= 10,045,211 jobs
- TAZ-Level Job Accessibility
= $943,171 / 10,045,211 = 9.39\%$

High Quality Transit Corridors (HQTCs) Located on Freeway in SCAG Region (2045 Plan)



City Boundaries
 Freeway
 HQTCs Located on Freeway

Modified High Quality Transit Areas (HQTAs) in the SCAG Region (2045 Plan)



City Boundaries
 Freeway
 Modified HQTAs (2045 Plan) without Freeway HQTCS
 Removed from Original HQTAs

Next Steps

- October 21 (10:00 a.m.): Special CEHD Committee meeting
- November 7 (12:15 p.m.): Regional Council
- November 2019 – January 2020: HCD 60-day review
- January/February 2020: Final RHNA Allocation Methodology

For more information:

www.scag.ca.gov/rhna

Email: housing@scag.ca.gov

www.scag.ca.gov

